AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

- 1. (Currently Amended) A system for assisting regeneration of a particle filter integrated in an exhaust line [[(3)]] of a motor vehicle diesel engine [[(1)]], the engine [[(1)]] being associated with various units, including:
 - means [[(2)]] for admitting air into the engine;
 - means [[(4)]] for recycling exhaust gases from the engine to the inlet thereof;
 - a turbocompressor [[(5)]];
 - a particle filter [[(7)]];
- a common system [[(8)]] for feeding fuel to the cylinders of the engine, including electrical fuel injectors (9, 10, 11, 12) associated with those cylinders;
- means [[(16)]] for adding to the fuel an additive adapted to be deposited on the particle filter [[(7)]] to reduce the combustion temperature of particles trapped therein;
- means (20, 21, 22) for acquiring information relating to various operating parameters of the engine and the units associated therewith; and
- means [[(17)]] for monitoring the operation of the air admission means, the recycling means, the turbocompressor and/or the fuel feeding system in order to monitor the operation of the engine, these monitoring means being further adapted to trigger a phase of regeneration of the particle filter [[(7)]] by combustion of the particles trapped therein by triggering a phase of

multiple injection of fuel into the cylinders of the engine during their expansion phase;

the system being characterized in that wherein the particle filter [[(7)]] is impregnated with a catalyst for oxidizing hydrocarbons and CO present in the exhaust gases flowing through said particle filter.

- 2. (Currently Amended) A system according to claim 1, characterized in that wherein said catalyst is a metal or a mixture of metals.
- 3. (Currently Amended) A system according to claim 2, characterized in that wherein said metal is a group VIII metal, such as platinum, palladium, or rhodium, or a mixture of such metals.
- 4. (Currently Amended) A system according to any one of claims claim 1, wherein to 3, characterized in that the particle filter [[(7)]] has a region [[(27)]] that is more strongly impregnated with the oxidation catalyst.
- 5. (Currently Amended) A system according to claim 4, wherein characterized in that said more strongly impregnated region is situated at the centre of the cross-section of the particle filter [[(7)]].
- 6. (Currently Amended) A system according to claim 4, wherein or claim 5, characterized in that said more strongly impregnated region is situated at the inlet of the particle filter [[(7)]].

Preliminary Amendment Attorney Docket No. **052733**

- 7. (Currently Amended) A system according to claim 5, wherein or claim 6, characterized in that the area of said more strongly impregnated region [[(27)]] represents from 20% to 70% of the cross-section of said particle filter [[(7)]].
- 8. (Currently Amended) A system according to any one of claims claim 4, wherein to 7, eharacterized in that the more strongly impregnated region [[(27)]] occupies from 10% to 50% of the length of the particle filter [[(7)]] starting from its inlet face [[(28)]].
- 9. (Currently Amended) A system according to any one of claims claim 2, wherein to 8, eharacterized in that the terminal portion [[(31)]] of the particle filter [[(7)]] is not impregnated with the oxidation catalyst.